TEJUS
CONSULTANTS

TEST REPORT					
Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/s KRIDL				
Total Weight:	10000	gms			
SIEVE ANALYSIS					
Type of Material	20 mm down size		**Proposed Use**	Concrete	
Sample Location	At Plant		**Date of Sampling**	02-08-2021	
			Date of Testing	02-08-2021	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	**100**
20.00 mm	280	280	2.80	97.20	**95 - 100**
10.00 mm	4915	5195	51.95	48.05	**25 - 55**
4.75 mm	4200	9395	93.95	6.05	**0 - 10**
Pan	605	10000			
Remarks :		✓ Satisfactory / Not Satisfactory			

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079. ✆ : +91 80 23287532. tejusconsultants@gmail.com

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TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike		
Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,		
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore		
Contractor	M/s KRIDL		
Total Weight:	10000	gms	

SIEVE ANALYSIS

Type of Material	**12.5 mm down size**	**Proposed Use**	Concrete
Sample Location	Plant/site	**Date of Sampling**	02-08-2021
		Date of Testing	02-08-2021

IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	565	565	5.65	94.35	90-100
10.0	2436	3001	30.01	69.99	40-85
4.75	6325	9326	93.26	6.74	0-10
Pan	674	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES	
Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 for Sump
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	28-07-2021	04-08-2021	7 days	8.124	22500	294	13.07	13.17
2	28-07-2021	04-08-2021	7 days	8.116	22500	295	13.11	
3	28-07-2021	04-08-2021	7 days	8.110	22500	300	13.33	

Asst. Executive Engineer
Project Division
Zone

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TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEJUS
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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M25 (Footing Concrete)
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	08-07-2021	05-08-2021	28days	8.131	22500	580	25.78	25.87
2	08-07-2021	05-08-2021	28days	8.120	22500	588	26.13	
3	08-07-2021	05-08-2021	28days	8.140	22500	578	25.69	

AE
Assistant Executive Engineer
Quality Control Division
BBMP (East) Zone

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TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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CONSULTANTS

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Toilets in Ward No : 08 ; Kodigehalli ;
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 for Lintel
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	29-07-2021	05-08-2021	7 days	8.128	22500	297	13.20	13.11
2	29-07-2021	05-08-2021	7 days	8.120	22500	295	13.11	
3	29-07-2021	05-08-2021	7 days	8.125	22500	293	13.02	

AE
Asst. Executive Engineer
Project Division
Bangalore

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TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079. O : +91 80 23287532, tejusconsultants@gmail.com

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Toilets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 for Roof Beam
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	03-08-2021	10-08-2021	7 days	8.124	22500	294	13.07	12.99
2	03-08-2021	10-08-2021	7 days	8.130	22500	291	12.93	
3	03-08-2021	10-08-2021	7 days	8.139	22500	292	12.98	

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TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Toilets in Ward No . 08 , Kodigehalli ,
Client	Brohat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRTDL
Grade of concrete:	M20 for Slab
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	07-08-2021	14-08-2021	7 days	8.128	22500	292	12.98	13.08
2	07-08-2021	14-08-2021	7 days	8.113	22500	293	13.02	
3	07-08-2021	14-08-2021	7 days	8.140	22500	298	13.24	

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TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 345, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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CONSULTANTS

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 for Slump (Top Slab)
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	18-08-2021	15-08-2021	28days	8.131	22500	454	20.18	20.53
2	18-08-2021	15-08-2021	28days	8.120	22500	458	20.36	
3	18-08-2021	15-08-2021	28days	8.140	22500	474	21.07	

Asst. Executive Engineer
BBMP, Rajarajeshwarinagar
Bangalore - 98

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TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES	
Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 Sump Raft
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	22-07-2021	19-08-2021	28days	8.131	22500	468	20.80	20.96
2	22-07-2021	19-08-2021	28days	8.120	22500	469	20.84	
3	22-07-2021	19-08-2021	28days	8.140	22500	478	21.24	

Assistant Executive Engineer
Project Division
Yelahanka Zone
92

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TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M25 (Plinth Beam Concrete)
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	22-07-2021	19-08-2021	28days	8.200	22500	585	26.00	25.91
2	22-07-2021	19-08-2021	28days	8.150	22500	586	26.04	
3	22-07-2021	19-08-2021	28days	8.182	22500	578	25.69	

Approved
Asst. Executive Engineer
Project Division
Bhashankara Zone
Bangalore - 92

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TEJUS CONSULTANTS

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TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M25 for Column
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	26-07-2021	23-08-2021	28days	8.131	22500	578	25.69	25.61
2	26-07-2021	23-08-2021	28days	8.120	22500	575	25.56	
3	26-07-2021	23-08-2021	28days	8.140	22500	576	25.60	

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Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 5th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 for Sump
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	28-07-2021	25-08-2021	28days	8.180	22500	468	20.80	20.67
2	28-07-2021	25-08-2021	28days	8.170	22500	464	20.62	
3	28-07-2021	25-08-2021	28days	8.150	22500	463	20.58	

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TEJUS CONSULTANTS

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TEJUS CONSULTANTS
No. 58, 3rd main, 8th Cross, 1st Stage KHB Colony, Baseveshwaranagar, Bangalore - 560079. O : +91 80 23287532, tejusconsultants@gmail.com

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES	
Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 for Slump (Top Slab)
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

SLNo.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	18-08-2021	25-08-2021	7 days	8.123	22500	298	13.24	13.27
2	18-08-2021	25-08-2021	7 days	8.133	22500	293	13.02	
3	18-08-2021	25-08-2021	7 days	8.132	22500	305	13.56	

Agreed
Asst. Executive Engineer
Project Division
Yelahanka Zone, BBMP
BBMP, Bangalore-92

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 for Slump (Top Slab)
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	18-08-2021	25-08-2021	7 days	8.123	22500	298	13.24	13.27
2	18-08-2021	25-08-2021	7 days	8.133	22500	293	13.02	
3	18-08-2021	25-08-2021	7 days	8.132	22500	305	13.56	

Asst. Executive Engineer
Project Division
Yeshwanthpur
BBMP, Bangalore

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TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEJUS
CONSULTANTS

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Name of Work	:	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	M/s KRIDL
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Date of Testing	:	26-08-2021
Techinical Reference	:	IS 1786:2008, IS1608:2005, IS1599:1985(Reaffirmed2006)
Sample Identification	:	10mm.TMT Fe500 Bars

Sl. No.	**Nominal size dia in mm)**	**Mass per metre (kg/m)**	**TENSILE STRENGTH**		
			0.20% proof stress/yield stress N/mm2	**Tensile strength N/mm2 '**	**Elongation,percent on gauge length**
1	10	0.618	536	576	19

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP Bangalore - 92

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TEJUS CONSULTANTS

Consultant's Representative

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEJUS
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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Grade of concrete:	M20 for Lintel
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	29-07-2021	26-08-2021	28days	8.135	22500	450	20.00	20.06
2	29-07-2021	26-08-2021	28days	8.122	22500	453	20.13	
3	29-07-2021	26-08-2021	28days	8.141	22500	451	20.04	

AE
Assistant Engineer
Project Implementation Unit
Yelahanka Zone
BBMP, Bangalore - 92

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Authorised Signatory

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No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEST REPORT

Clients	Bruhath Bangalore Mahanagara Palike
Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s KRIDL
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size	**Proposed Use**	PCC
Sample Location	At Site/Plant	**Date of Sampling**	27-08-2021
		Date of Testing	27-08-2021

IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	88	88	2.93	97.07	95-100
20.00mm	1410	1498	49.93	50.07	30-70
10.00mm	965	2463	82.10	17.90	10-35
4.75mm	420	2883	96.10	3.90	0-5
Pan	117	3000	100.00	0.00	

Remarks : ✓ Satisfactory / Not Satisfactory

Note:
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3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4.The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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TEJUS
CONSULTANTS

TEST REPORT	
Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Consultants	Tejus Consultants, Bangalore
Contractor	M/s KRIDL

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	**Fine aggregate (River Sand/ M sand)**	**Proposed Use**	PCC
Sample Location	At Site/Plant	**Date of Sampling**	27-08-2021
		Date of Testing	27-08-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	190	190	6.33	93.67	90 - 100
2.36 mm	300	490	16.33	83.67	75 - 100
1.18 mm	400	890	29.67	70.33	55 - 90
0.600 mm	450	1340	44.67	55.33	35 -59
0.300 mm	900	2240	74.67	25.33	8-30
0.150 mm	600	2840	94.67	5.33	0 - 10
Pan	160	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s KRIDL

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	**Proposed Use**	PCC
Location/Source	At Site/Plant	**Date of Sampling**	26-08-2021
Period of Soaking	24 hours	**Date of Testing**	27-08-2021

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	660	630	670	
B	Weight of oven - dry sample gm.	648	620	659	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1686	1682	1698	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.602	2.780	2.668	2.684
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.852	1.613	1.669	1.711

Assistant Engineer
Project Division - 32

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Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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Test Report on Cement

Project	Construction and Improvements of Tiolets in Ward No . 08 , Kodigehalli ,
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL
Sample ID	Cement
Date of Sample Tested	27-08-2021
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	40 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	358 Minutes	Not More than 600 Minutes
2	Soundness.	IS-4031 (Part-3) By the Le-Chatelier method	5 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.80%	25 % to 35

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